

CLAIMS

1. An oscillating piston volumetric fluid meter having a cylindrical measuring chamber (30) comprising:

- 5       - a lateral wall (2),
- a bottom (1) and a lid (3),
- a lower cylinder (4) and an upper cylinder (5) having the same diameter, which is less than the diameter of said chamber,
- 10       - an inlet orifice (7) and an outlet orifice (8) for respectively admitting fluid to and evacuating fluid from said chamber,
- a cylindrical piston (11) disposed eccentrically and guided kinematically in said chamber and effecting an
- 15       oscillatory movement in said chamber as a result of the displacement of a volume of fluid, and
- a fixed partition (9) between said inlet orifice (7) and said outlet orifice (8), lying radially between said lateral wall (2) and said lower and upper cylinders
- 20       (4, 5), and lying axially between said bottom (1) and said lid (3), which volumetric meter is characterized in that it includes a vertical groove (17) extending at least partly along said lower and upper cylinders (4, 5) and in communication with one of said inlet and outlet
- 25       orifices (7, 8), said groove (17) being situated in the vicinity of said fixed partition (9).

2. A volumetric meter according to claim 1 characterized in that said vertical groove (17) opens onto an enlargement (26) of one of said orifices.

30       3. A volumetric meter according to claim 1 characterized in that said vertical groove (17) is tangential to said fixed partition (9).

4. A volumetric meter according to claim 1 characterized in that said vertical groove (17) has

35       a width less than or equal to 2 mm.